

**Department of Public Works and Transportation
Montgomery County, Maryland**

DIVISION OF SOLID WASTE SERVICES



Recycling Awards Ceremony 2001

***MONTHLY REPORT
JUNE 2001***



Printed on Recycled and Recyclable Paper

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OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the current month, fiscal year to date (FY Total), and current calendar month in the two prior fiscal years. (County fiscal year 2001 began July 1, 2000.)

FACILITY	June FY 01	FY 01 Total	June FY 00	June FY 99
Materials Recovery Facility ⁽¹⁾	6,655 tons	78,287 tons	6,571 tons	5,051 tons
Brunswick Landfill Facility ⁽⁴⁾	15,834 tons	157,960 tons*	13,184 tons	15,620 tons
American Ash Recycling ⁽²⁾	922 tons	29,775 tons	3,119 tons	1,695 tons
Resource Recovery Facility ⁽³⁾	42,781 tons	516,536 tons	42,691 tons	48,275 tons
Yard Trim Compost Facility	5,014 tons	59,643 tons	5,321 tons	3,686 tons

⁽¹⁾For FY01 and FY00, MRF tons reported are outgoing. For previous years, incoming was reported.

⁽²⁾Tons shipped out to ash recycling facility during the indicated period. All tons so shipped are recycled.

⁽³⁾RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here. For FY01 these tonnages are preliminary, with adjustments made in the December and June monthly reports.

⁽⁴⁾This category only addresses waste sent to the landfill for disposal. It does not include rubble that is recycled at Clean Rock or other locations.

* Correction: The May 2001 total for the Brunswick Waste Management Facility, Inc. landfill was 18,378 tons, not 18,549. The ash residue total for May 2001 was 13,304 tons, not 13,475 tons

Revenue Analysis and Systems Evaluation — During June, program staff:

- Assisted with year-end Fixed Assets inventory.
- Calculated Repair and Replacement Reserve Requirement and obtained certification of same from Consultant Engineer.
- Continued updating/correcting property billing database including 453 new accounts.
- Adjusted billing categories for 360 non-residential properties for which 3-year appeal benefit periods expire on June 30.
- Handled routine level of solid waste billing inquiries and refunds.
- Identified and coordinated correction of systematic errors inadvertently introduced by SDAT into property database.
- Conducted research on multi-family condominium subdivisions and prepared field inspection forms and maps to aid in re-evaluating service strategies.

- Continued development of new hauler billing system: reviewing internal controls at the transfer station, working on the form and content of screen images and reports to be available through eMontgomery, and finished entering account information into the new system.
- Continued work of variable rate study: redrafted report chapter, wrote data collection sheets for curbside characterization sampling, held Task Force meeting.
- Modified and printed FY02 Appeal Forms.
- Mailed out reporting forms and notices to all licensed haulers for January 1 through June 30 reporting period.
- Prepared web page postings regarding FY02 Solid Waste Charges.

CITIZEN COMMITTEES

Facilities Implementation Group – The next scheduled FIG meeting is 7:30 p.m., July 17, 2001 at the Gothic Barn. SHA will discuss traffic monitoring at the facilities.

Sugarloaf Citizens Association – The County is working with SCA & FIG to quantify the remaining obligations under the Master Plan and the SCA Agreement.

Solid Waste Advisory Committee – SWAC met Tuesday, June 5, at the Executive Office Building, Lobby Conference Room. Twelve SWAC members, six County staff and three guests were in attendance. DSWS staff gave presentations to the Committee on Multi-Family Recycling and Commercial Recycling. Mr. Vivian D'Souza, Director of Maintenance for MCPS, briefed the Committee on School Recycling. SWAC members elected a new Committee Chair and a new Committee Vice Chair, both of whom will take office at the July meeting.

COLLECTIONS

Refuse – Refuse collection went as scheduled with no disruptions to service.

Recycling – Mixed paper tonnage for the residential program during the four week period of May 15, 2001 through June 8, 2001 was 10.19 lbs. per household.

Contractor Performance – Eight complaints were not promptly resolved by the contractors in June; all were corrected by the County. During June, DSWS received 836 complaints; this represents a 11.3% increase from June 2000, which had 751 complaints.

Enforcement Actions – Twenty-one citations were issued for violations of the County's Solid Waste Laws:

Five citations	Not having a valid collector's tag attached to the vehicle	\$2,750
Four citations	Not having a valid collectors license	\$2,000
Four citations	Not having a suitable tight fitting cover	\$2,000
Four citations	Collecting solid waste before 7 a.m.	\$2,000

Two citations	Improper storage of solid waste	\$1,000
One citation	Collecting or removing recyclable material set out for collection.	\$500
One citation	Dumping solid waste on property of another	\$500

Twenty NOV's issued for the County's Solid Waste Laws:

Fourteen NOV's	Failing to maintain an approved container
One NOV	Not having a tight fitting cover
One NOV	Dumping or leaving solid waste on public or private property
One NOV	Improper storage of solid waste

Customer Service – DSWS received 6,927 incoming calls. Due to continual computer difficulty, there were only 36 follow up calls for quality check. There were 1,323 blue bins delivered and 269 e-mail request handled by the Customer Service Staff.

Volunteer Activities – During June, 18 volunteers contributed 139.5 hours of time to recycling activities including:

- Two HHW collections (Shady Grove and NIH, Bethesda)
- Fair/Festival in Germantown
- Chemical Safety Day at Kentlands

WASTE MINIMIZATION

Latex Paint Management - Home-management of latex paint continues to be strongly emphasized at the Household Hazardous Waste events. Using some simple techniques and waste paint hardener, residents are encouraged to use it up, pass it on or dry it up.

Bicycle Recycling – Pedals for Progress has picked up 106 bicycles. These bikes will be repaired and find new homes in El Salvador and West Africa.

Computer Recycling Program – Approximately 29.3 tons of computers were recycled in June under the computer recycling program. A special electronic equipment recycling event held June 23-24 yielded 5.7 tons of recycled televisions, microwaves, radios, CD players, cassette recorders, etc.

Department of Environmental Protection's Home Composting and Source Reduction Activities – On June 22, Program Manager Joe Keyser received the Audubon Naturalist Society 2001 Education Award "for outstanding efforts to encourage public conservation of natural resources" at a ceremony at the Society's Woodend Sanctuary. Keyser also provided a 15-minute presentation on County efforts with respect to Grasscycling, Home Composting, and VermiLab, the educational worm composting program. Gazette and Journal advertising continued, along with the appearance of a full-page advertisement in the 2001 Montgomery Community Guide (p. 17), distributed to every household in the county.

Wrote, recorded, and produced the first two of numerous "Clean, Green, Eco Minutes" for Classic Rock 94.7 (WARW FM) dealing with grasscycling and leaving clippings on the lawn when mowing. The station is lining up a series of sponsors for the Eco Minutes, which will run prime time throughout the week, a new Eco Minute each week.

Recorded a 15-minute radio/television interview on June 20 for County Comments (Cable Channel 55 and WARW-FM) addressing "Green Schools" in Montgomery County, with an emphasis on landscape alteration, composting, recycling, and related issues. Also recorded a five-minute first person interview for Montgomery Focus (also Cable Channel 55) on June 19, dealing with outreach efforts in the county.

"Green Man" column continues to appear in the Maryland Gazette Newspapers, as well as on-line at askDEP.com.

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste Collection – HHW events were held in June at the Transfer Station and at Bethesda NIH. There were 625 patrons and 430 patrons at the two events, respectively.

Small Quantity Generator (Ecowise) Program- One Ecowise event was held in June; ten companies attended.

AIR PERMITS AND ENVIRONMENTAL PROGRAMS

Resource Recovery Facility (RRF): CEM Tracking of RRF Operations - Continuous Emissions Monitoring System (CEMS) indicated that all three units were operated continuously until June 7. At approximately 7 p.m. on June 7, unit 2 was brought offline because of low pit. Thereafter, units 1 and 3 were operated continuously until June 24. At approximately 9 p.m. on June 24, unit 2 was also brought online to handle additional waste. Thereafter, all three units operated continuously till the end of the month. No equipment malfunctions affected unit operations or stack emissions.

In the first week of June, the set of 10 CEMS CD-ROM's was updated to include CEMS data up to April 30, 2001. Copies of the CD-ROM's were placed in the Rockville and Poolesville libraries and distributed to DSWS staff, SWAC and FIG.

As of this writing, the County has not received the RRF Title V draft Permit from MDE. Attempts to put the CEMS data on the County's web site are progressing. All changes to the technical contents of the data were completed in the third week of June.

However, additional changes will be made when the County receives the Title V Air Permit from MDE. Currently, software engineers from the County and Covanta are coordinating the effort. It may take up to two weeks to install the system.

Oaks Landfill Energy Recovery Facility: Leachate Evaporation Technology – The Leachate Thermal Treatment System (LTTS) operated for 18 days, evaporating on average, 8 gallons of leachate per minute. Bentech is still continuing negotiations with

electric companies for implementing an electricity-generating project. DSWS has scheduled a meeting with Bantech for the second week of July to discuss the status of the project.

Yard Trim Composting Facility: Consent Agreement - MES informed the County that there was another exceedance of BOD5 Discharge Permit limit in Pond 1 during the sampling event on June 7. The previous exceedance of BOD5 Discharge Permit limit was in pond 2 during the sampling event on April 11. MES communicated these results to MDE. Under the Consent Agreement, the facility is to comply with the Discharge Permit limits from June 1, 2000.

FIG-SWAC Air Quality Subcommittee – Two documents were received from ENSR. One is the methodology update of the RRF Health Risk Study and the other is the scope of work for conducting the non-air media sampling this fall. DSWS reviewed the documents and transmitted them to the Committee for review. A meeting is scheduled for July 12 for discussion of these documents.

Site selection will commence in July for the non-air media monitoring this fall. DSWS and ENSR will visit potential sampling sites in the maximum impact area near the RRF and potential background sites in Lucketts, Virginia.

Contractual Work – A draft contract with SCS Engineers of Reston, Virginia, has been prepared and is being reviewed by the Office of the County Attorney. This contract is for the Oaks Landfill Air Emissions Measurement and Control. The existing contract expires on July 17, 2001.

RECYCLING

Public Outreach – Outreach events have begun in low mixed paper participation areas. DSWS staff takes the RecycleMobile out to locations where there is a lot of activity in places such as shopping centers. A display of all the types of paper and cardboard that can be recycled at the curb is set up. Information on mixed paper recycling is handed out. In addition, orders for new or additional blue bins are taken, and all other questions and requests are fulfilled. The awareness campaign on recycling continues. The campaign includes print, television, radio, and transit advertising. The QSC conducted oral interviews of the prospective contractors bidding on the RFP for Recycling/Solid Waste Public Outreach and Education. Staff participated in an outreach event for the Division of Highway Services on June 14. Staff performed a tip and sort of the Department of Corrections refuse, to analyze the waste and recommend ways to increase recycling and waste reduction.

MCPS recycling rate: 19.9%

Commercial Recycling and Waste Reduction – Staff continued to perform on-site evaluations of recycling programs for businesses. Staff is making plans to work with local shopping malls to increase recycling awareness to mall tenants and customers.

The next addition of the SORRT Newsletter is being prepared for print. This issue, we will highlight the "Recycling Awareness Week" honorees.

Multi-Family Recycling – Staff continued to perform on-site evaluations of recycling programs, and work with property managers and residents to provide assistance and support. Staff continued to assist properties that were not in compliance with the County's regulation. Delinquent properties are being visited in order to obtain their annual recycling reports for 2000. Staff is planning future program initiatives using the recently completed survey results. The next issue of the TRRAC newsletter is under draft. The advertising campaign, highlighting the multi-family recycling requirements and the services the TRRAC Program provides has begun. Several seminars for Property Managers have been conducted throughout the County.

Mixed Paper Recycling - A new mixed paper recycling brochure has been produced and is being distributed. Mixed paper is a major subject included in the new multi-media advertising campaign. Staff continues monitoring the amounts of mixed paper being recycled in each area, to troubleshoot and provide additional education to those low performance areas. Several initiatives are underway to serve under-performing areas, including developing and distributing additional educational materials in English as well as other languages, having community events where staff can provide additional recycling outreach and educational materials, and others.

PILOT PROGRAMS

Mixed Paper Pilot – Letters are being prepared to notify residents of the totter pilot program being tested in their area. Over 100 homes have been contacted in person with an overwhelming positive response to this proposal.

Tubgrinding Pilot – Tubgrinding of screened reject material began on August 22, 2000 and ended at the end of September 2000 with 5,205 yards of material being processed. The County is working with SCA on a new pilot agreement.

Ash Recycling Pilot – Ash recycling continued throughout the month without any major problems. Deliveries generally remained at four containers per day because of operational limits at the York, PA facility. The last day of deliveries was June 30. The pilot is now complete and a long-term ash-recycling program is being considered. The Authority finalized the ash-recycling Request for Proposals. It will be issued in early July with a response date for Proposals in mid-September.

FACILITY ACTIVITIES

Resource Recovery Facility – The Facility operation consisted of two units at full load for the middle two weeks of the month. All three units operated in the first and last weeks of the month.

During a major storm on June 21, lightning shattered one support pole for the PEPCO 69kV interconnection line, causing the line to fail and the Facility to automatically

disconnect from the electric grid. The Facility operated in island mode, generating power for in-house use only. This condition lasted for more than 48 hours, during which time PEPCO crews installed a new pole and the 69kV line with communications cable. During the repair work, the Facility was connected and disconnected from the grid twice. On June 27, a PEPCO crew caused an additional disconnection from the electric grid when they were re-hanging a fiber-optic communications cable. During each of the disconnection events, all safety equipment responded correctly and the Facility was stabilized without significant problems.

There were no minimum or maximum utility generation alerts.

There were no reportable air or water quality environmental excursions in the month.

The following environmental events occurred:

- May Water Supply Report submitted to MDE.
- MDE inspectors visited the Facility to inspect the potable water system and to update well data. No significant issues were identified. MDE will issue a report.
- Conversations with MDE revealed their intent to deliver a draft Title V permit by the end of July.
- A radiation alarm at the ash load-out conveyor occurred on June 14. Facility personnel responded according to approved protocol and isolated a device from the ash. Facility personnel contacted the radiological contractor and reported on the physical characteristics of the device and the radioactive measurements. The contractor determined the device would not be a danger to the Facility or its personnel. It was placed in a locked container as instructed by the contractor. The contractor visited the Facility on June 20 to continue with its investigation. The contractor removed the device for proper disposal. A report will be issued.
- Routine ash testing resulted in low pH readings for some samples. No action is warranted at this time. However complete ash testing will be conducted within the next year and will be coordinated with the need for fresh testing for the ash-recycling program.
- County CD-ROM's emission data were updated.

Approximately 35 people toured the Facility, including students from Montgomery College, consulting engineers and officials from the Republic of China. Contract negotiations with Mirant and PEPCO continued. The new Electricity Sales Agreement and the PJM Interconnection Agreement are essentially complete. The Facility Site Agreement and PEPCO Interconnection Agreement continued to be discussed. All documents are expected to be finalized and signed in July.

SCS Engineers/Dvirka and Bartilucci was selected as the contractor for the Operations Review and Assessment of the Facility. The Notice to Proceed and kick-off meeting are expected in July.

Materials Recovery Facility – Approximately 1,583 tons of commingled material were shipped out after processing, and approximately 5,073 tons of mixed paper were loaded out and transferred to the Office Paper Systems processing facility.

The contractor continued with the construction of the building expansion and started the erection of structural steel.

Agreement in principle was reached with the contractor who will install new processing equipment, and a contract should be executed in August.

Curb repairs were finished in June.

Spring cleaning continued at the facility, including painting the perimeter wall in the processing area.

Oaks Landfill - Cherry Hill Construction, the contractor for the Phase I closure construction, continued to work on outstanding punch list items. Several punch list items including final as-built documentation remain.

The trail system in the Oaks Landfill buffer area, developed in conjunction with M-NCPPC, was formally opened in a brief ceremony on June 29th. In addition to hiking, some sections are open to equestrians. Two small parking lots and fence adjustments were made to support the trail system.

DEP and the Office of the County Attorney are preparing additions to the Post-Closure Care Plan for the 30-Year post-closure period at the Oaks Landfill in response to comments received from MDE on the draft plan submitted by DSWS.

DEP continued weekly monitoring of certain gas wells where methane had been detected. Methane concentrations are diminishing towards negligible levels in these wells. Methane tends to be detected in some wells whenever the landfill gas collection blower system or associated equipment goes out of service for maintenance or repairs.

Gude Landfill – URS performed a field visit at the Gude Landfill and will begin designing repairs to several poorly drained areas at the landfill.

Beantown Dump – DSWS's contractor continues to work on final design drawings for the passive gas venting system at the old Beantown dump site.

Transfer Station – During June, Covanta shipped via rail 47,396 tons of processible waste from the Transfer Station to the Resource Recovery Facility, 1,406 more tons than shipped in June 2000.

Litter was collected by MES along Shady Grove Road from Route 355 to the intersection with Muncaster Mill Road.

The stripes in the recycle drop-off area were repainted.

The tipping floor wall was painted.

Site 2 Landfill Properties – The Notice to Proceed with clean up work at the Chiswell farmhouse was issued in early June. Work is underway and additional services are being scoped, priced and procured. The initial clean up of the house is complete. A more thorough assessment is required of the structural condition because termite damage is greater than expected. The next major activities include stone work, a new roof and an assessment of all windows.

DFS continued its preparation of the draft lease for the Draper property.

Solid Waste Facilities Master Plan – Staff is working with FIG and SCA to quantify the remaining obligations in the Plan and other documents.

Yard Trim Compost Facility – The Dickerson yard trim facility received 5,014 tons of grass for composting, bringing the amount of material received this fiscal year to 59,643 tons; 6,518 yards of Leafgro were sold in bulk.

Bagging Operation – In June, 83,538 bags of Leafgro were produced at the facility and 20,455 bags were shipped to distributors.

Linden Farm Renovations – Under the signed bagging agreement, the County is to renovate the Feed Barn and Bank Barn. Dean Fitzgerald, the contractor, started the renovation work in June.

Out-of-County Haul

Brunswick County, Virginia – During the month of June, about 11,163 tons of ash residue and 4,672 tons of nonprocessible waste were transported to the County's dedicated disposal cell at the Brunswick Waste Management Facility, Inc. Landfill in Brunswick County, Virginia. About 650 tons of rubble were recycled at Clean Rock. The RRF was running all three units for much of the month, resulting in high volumes of ash residue to transport. Maintenance on the ash container fleet including replacement of corroded side panels has been ongoing at the Collier Rail Yard near Petersburg, Virginia for over six months. Most of the containers in the 300-container fleet have been inspected and repaired. Two prototype containers one made out of stainless steel and one made out of fiberglass are being tested. The stainless steel container was put into service in June. The fiberglass container (which has a steel outer frame) will be put into service in July.

York, Pennsylvania – During the month of June, 922 tons of ash residue (back hauled by rail from the RRF) were shipped from the Transfer Station to American Ash Recycling in York, Pennsylvania to be recycled into aggregate. The AAR pilot ash recycling program ended on June 30, 2001. The County and the Northeast Maryland Waste Disposal Authority are putting out a solicitation for a long-term ash recycling contract.

GENERAL INFORMATION

Important Telephone Numbers

General information on solid waste	240-777-6400
Customer Service	240-777-6410
Transfer Station	301-840-2370
Materials Recovery Facility	301-417-1447 (MES)
Resource Recovery Facility	240-777-6439 (County Office) 301-916-3031 (Covanta)
Yard Trim Compost Facility	301-428-8185
Internet for DSWS	www.MCRecycles.org

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

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SOLID WASTE FACTS IN A NUTSHELL

<i>TOPIC OR FACILITY</i>	
Current Recycling Rate in Montgomery County	36.5%
Recycling Goal	50%
New Recycling Programs Scheduled for FY 01	Residential Mixed Paper Collection is now available countywide
Resource Recovery Facility (RRF)	Guaranteed Capacity = 85% of 1800 TPD on an annual basis (558,450 tons/yr).
Yard Trim Composting Facility (DCF)	Operations limited to receipt of 77,000 tons/year under Sugarloaf Settlement Agreement. FY00 tons received- 58,602
# Residences receiving trash collection by County contractors	84,540
# Residences receiving collection of recyclables in blue bins and yard waste collection	199,258
Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc.	June 19, 1997 through June 30, 2012 with an option for a five-year renewal. (Service started on October 20, 1997.)

GLOSSARY OF ACRONYMS

AAR	American Ash Recycling, Inc.
APC	Air Pollution Control
ASME	American Society of Mechanical Engineers
BFI	Browning Ferris Industries
CDL	Commercial Driver's License
CEMS	Continuous Emissions Monitoring System
CIP	Capital Improvements Program
COG	Metropolitan Washington Council of Governments
CSX	Chesapeake Transportation Systems
DEP	Department of Environmental Protection
DFS	Division of Facilities and Services
DSWS	Division of Solid Waste Services
EPA	Environmental Protection Agency
FIG	Facilities Implementation Group
HCFA	Health Care Financing Administration
HHW	Household Hazardous Waste
IFB	Invitation For Bid
LTTS	Leachate Thermal Treatment System
MCPS	Montgomery County Public Schools
MDE	Maryland Department of Environment
MES	Maryland Environmental Service
mg/l	milligrams per liter
M-NCPPC	Maryland National Capital Park and Planning Commission
MRF	Materials Recovery Facility
MWh	Mega Watt hours
NOV	Notice of Violation
NPDES	National Pollution Discharge Elimination System
NTP	Notice to Proceed
OLAC	Oaks Landfill Advisory Commission
OMB	Office of Management and Budget
PEPCO	Potomac Electric Power Company
PSA	Public Service Announcement
RFP	Request for Proposal
ROL	Reduced Operating Level
RRF	Resource Recovery Facility
SCA	Sugarloaf Citizens Association
SHA	State Highway Administration
SORRT	Smart Organizations Reduce and Recycle Tons
SWAC	Solid Waste Advisory Committee
TCLP	Toxic Characteristic Leaching Procedure
TPD	Tons Per Day
T.R.R.A.C.	Think Reduce and Recycle at Apartments and Condominiums
UT	Ultra-sonic Testing
WM	Waste Management
YTCF	Yard Trim Composting Facility